CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.05/NNS/CEMENT/2013-14

Date: 06.03.2014

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. N.N. Srinivasaiah,** Contractor, Bangalore.
NAME OF THE WORK	:	Development of park and chainlink fencing at Singapura Paradise in Ward No.11, Vidyaranyapura, BBMP, Bangalore.
REFERENCE	:	AEE/VP/(WO)/512/2013-14Dated: 03.03.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	165 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	485 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	27.50 %	-

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬ. ಬೆ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97

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Job No.: CTCE/BBMP/W.No.05/NNS/SAND/2013-14 : 06.03.2014

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of Work : Development of park and chainlink fencing at Singapura Paradise in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VP/(WO)/512/2013-14Dated: 03.03.2014

Date of Testing : 06.03.2014

Material : Sand Total Wt. of Aggregates in gms **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	98	4.90	4.90	95.1	90-100
2.36	206	10.30	15.20	84.8	75-100
1.18	485	24.25	39.45	60.6	55-90
600 Micron	422	21.10	60.55	39.5	35-59
300 Micron	495	24.75	85.30	14.7	8-30
150 Micron	220	11.00	96.30	3.7	0-10

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Job No.: CTCE/BBMP/W.No.05/NNS/SAND/2013-14 : 06.03.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of Work : Development of park and chainlink fencing at Singapura Paradise in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VP/(WO)/512/2013-14Dated: 03.03.2014

Date of Testing : 06.03.2014

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **25300**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	990	3.91	3.91	96.09	95-100
20	16248	64.22	68.13	31.87	30-70
10	5185	20.49	88.63	11.37	10-35
4.75	2540	10.04	98.67	1.33	0-5

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NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.05/NNS/Fencing/2013-14 06.03.2014

TEST REPORT ON CHAIN LINK FENCING WIRE (8th Gauge)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of work : Development of park and chainlink fencing at Singapura Paradise in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VP/(WO)/512/2013-14Dated: 03.03.2014

Samples ID : Samples Supplied By Agency

Sl.No	Description	Result
1	Diameter	4.15 mm
2	Internal Spacing	50 mm X 50 mm
3	Weight / Meter (1m x 1m)	4.498 Kg

The Results relate only to the items tested

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Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.05/NNS/MS Angle/2013-14

06.03.2014

TEST REPORT ON STRUCTURAL STEEL

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of work : Development of park and chainlink fencing at Singapura Paradise in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VP/(WO)/512/2013-14Dated: 03.03.2014

Samples ID : Samples Supplied By Agency

Specimen Size : ISA-65X65X6mm (1m Length)

Sl.No	Description	Result
1	Thickness	6.20 mm
2	Width	65.0 mm
3	Weight / Meter	5.90 Kg

The Results relate only to the items tested

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Job No.: CTCE/BBMP/W.No.05/NNS/MS Pipe/2013-14

06.03.2014

TEST REPORT ON M.S PIPE (38mm Dia)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of work : Development of park and chainlink fencing at Singapura Paradise in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VP/(WO)/512/2013-14Dated: 03.03.2014

Specimen Size : M.S Pipe 38mm Dia

PHYSICAL TEST

Sl.No	Description	Result
1	Thickness	2.25 mm
2	Inner Diameter	38.10 mm
3	Outer Diameter	42.60 mm
4	Weight / Meter	1.880 kg

The Results relate only to the items tested

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NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.05/NNS/CUBE/2013-14

19.04.2014

TEST REPORT ON CONCRETE CUBES

Client	: **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
Agency	: **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.
Name of the work	: Development of park and chainlink fencing at Singapura Paradise in Ward No.11, Vidyaranyapura, BBMP, Bangalore.
Reference	: AEE/VP/(WO)/512/2013-14Dated: 03.03.2014
Sample ID	: Coping Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.03.2014	19.04.2014	8.385	365.4	16.24
2	22.03.2014	19.04.2014	8.152	343.2	15.25
3	22.03.2014	19.04.2014	8.288	352.3	15.66

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